

(19) World Intellectual Property
Organization
International Bureau



550470

(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/085112 A2

(51) International Patent Classification⁷: **B23Q 1/00**

(21) International Application Number:
PCT/NL2004/000199

(22) International Filing Date: 24 March 2004 (24.03.2004)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:
1023010 25 March 2003 (25.03.2003) NL

(71) Applicant (for all designated States except US): **REPAK
BEHEER B.V.** [NL/NL]; 18, Phileas Foggstraat 18,
NL-7821 AK Emmen (NL).

(72) Inventor: **SCHOLTE, Gerardus, Petrus;** Boslaan 7,
NL-9561 LH Ter Apel (NL).

(74) Agent: **KLOOSTER, Ir., J., H.;** Muller & Eilbracht B.V.,
P.O. Box 1080, NL-2260 BB Leidschendam (NL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: A MULTIFUNCTIONAL CONSTRUCTIONAL MODULAR ELEMENT FOR MACHINE-BUILDING OF A MA-
CHINE FRAME CONSTRUCTION FOR A PACKAGING MACHINE

(57) Abstract: The invention relates to a machine frame for a packaging machine being constructed in such a way that its manu-
facture is simple and flexible for the various widths and lengths of foil packaging material without having the need for an expensive
and labour intensive intercoupling. This machine frame is also robust and interiorly good cleanable, so that hygienic risks may be
substantially decreased. This machine-building element comprises a (system) profile element made of strong sheet material, like e.g.
metal or plastic material, comprising a mainly straight horizontal part that tapers off on both sides over an angle of approximately 90°
to two downwardly directed vertical parts. These parts are longitudinally interconnected completely to a compact unit by means of a
plurality of hollow functional sockets. These functional sockets are each provided with internal threading to receive an appropriate
coupling element or module to be used in a machine construction, like e.g. an adapter socket. Frame girders as well as frame stands
for a packaging machine may be constructed from these multifunctional constructional modular elements for machine-building pur-
poses. This results in a machine frame construction which is very flexible, robust and interiorly well cleanable.

WO 2004/085112 A2